

23 August 1962

STATINTL MEMORANDUM FOR : NPIC

Perkin-Elmer has asked permission to release this study to the intelligence community. I think this is appropriate and timely for the following reasons:

1. Effects of atmospheric scattering on aerial photography are almost impossible to evaluate due to the presence of other environment induced variables such as boundary layer turbulence, thermal gradients, etc.
2. Resolution measurements using present methods may result in a 10% variation in the level depending upon the skill (or imagination) of the reader.
3. Targets are needed for the evaluation of equipment and a decision should be reached soon as to what size, what type, how many, and where are they to be located.
4. If a correction can be applied to resolving power measurements for the effects of atmospheric scattering then photographic systems may be more realistically compared.

Your comments are solicited.

STATINTL